

To: "blayne@hartmaneg.com" [blayne@hartmaneg.com]
Cc: []
Bcc: []
From: CN=Dominic Digiulio/OU=ADA/O=USEPA/C=US
Sent: Wed 12/5/2012 10:33:20 PM
Subject: Re: CO2 vapor intrusion
[Vicente Aquino Neto](#)
blayne@hartmaneg.com
blayne@hartmaneg.com
blayne@hartmaneg.com
[858-204-6170](tel:858-204-6170)
[Vicente Aquino Neto](#)
[Blayne Hartman](#)

Blayne:

The only regulations I am aware of in the United States on CO2 pertain to geologic sequestration. Gas intrusion into buildings is not regulated per se but gas migration to ground water is.

Thanks for the document from Vicente. I will read it.

Dominic C. DiGiulio, Ph.D.
U.S. Environmental Protection Agency
Office of Research and Development
National Risk Management Research Laboratory
Ground Water and Ecosystem Restoration Division
919 Kerr Research Drive
Ada, Oklahoma 74820

580-436-8605 (phone)
580-436-8614 (fax)
580-583-7329 (mobile)

From: "blayne@hartmaneg.com" <blayne@hartmaneg.com>
To: Dominic Digiulio/ADA/USEPA/US@EPA
Date: 11/29/2012 09:51 AM
Subject: CO2 vapor intrusion

Hi Dom,

Long time no talk or see. I hope this finds you doing well.

Can you please take a look at Vicente's question below. He is a regulator from Brazil whom I've been working with on VI issues.

Apparently in England, they are monitoring CO2 concentrations both near landfills (expected) but also at other locations where CO2 might be produced or exist (see attached). Vicente is wondering if there might be similar regulations in the States.

Happy Holidays,

Blayne

Blayne Hartman, Ph.D.
Hartman Environmental Geoscience
Vapor Intrusion, Soil Gas & Analytical Support
717 Seabright Lane
Solana Beach, CA 92075
858-204-6170
-----Original Message-----

From: Vicente Aquino Neto
Date: 11/28/2012 7:48:28 AM
To: blayne@hartmaneg.com
Subject: Re: CO2 vapor intrusion

Blayne

Tank you .

I am forwarding attached, the english standard that I found on the subject

Vicente
2012/11/28 blayne@hartmaneg.com <blayne@hartmaneg.com>

Hi Vicente,

I do not know of any regulations relating to intrusion of CO2.

I suppose near landfills, the intrusion of CO2 produced under pressure could carry other compounds with it. I will e-mail a colleague of mine that deals with landfills and ask him the question.

I will get back to you after I hear5 from him.

All is well. I hope the same with you.

Blayne

Blayne Hartman, Ph.D.
Hartman Environmental Geoscience
Vapor Intrusion, Soil Gas & Analytical Support
717 Seabright Lane
Solana Beach, CA 92075
858-204-6170
-----Original Message-----

From: Vicente Aquino Neto
Date: 11/27/2012 5:35:42 PM
To: Blayne Hartman
Subject: CO2 vapor intrusion

Dear Blayne

I hope all is well

You can let me know if you have any regulation related to intrusion of CO2?

We have obtained high CO2 readings in places where methane is also present and arrived in England a document that defines the maximum concentrations of CO2 underground, due to the possibility of vapor intrusion indoors.

Do you believe this to be an issue with which we care?

is this

I appreciate if you can give me some information on this subject.

Vicente

[attachment "Guia_inglaterra.pdf" deleted by Dominic Digiulio/ADA/USEPA/US]